

### CLAIMS

1. An automatic rotary rolling machine, comprising at least one roller tool, at least one guide for feeding the parts to be machined, and an apparatus for picking the parts from said guide and inserting them in an active position, an insertion device comprising a reciprocating member provided with a means for picking a part to be machined from a guide and for inserting it in a working position, said insertion device being adapted to insert the parts to be machined at an adjustable rate, so that the portions of the outer surface of said roller tool that engage the parts inserted in the working position are changed continuously at each turn of the spindle; characterized in that said reciprocating member is actuated by an electronically controlled linear motor.

2. An apparatus for an automatic rotary rolling machine, according to claim 1, characterized in that said reciprocating member inserts each part at such a rate that the portions of the outer surface of the roller tool that engage the parts inserted in the working position are changed continuously at each turn of the spindle.